

Fig. 1

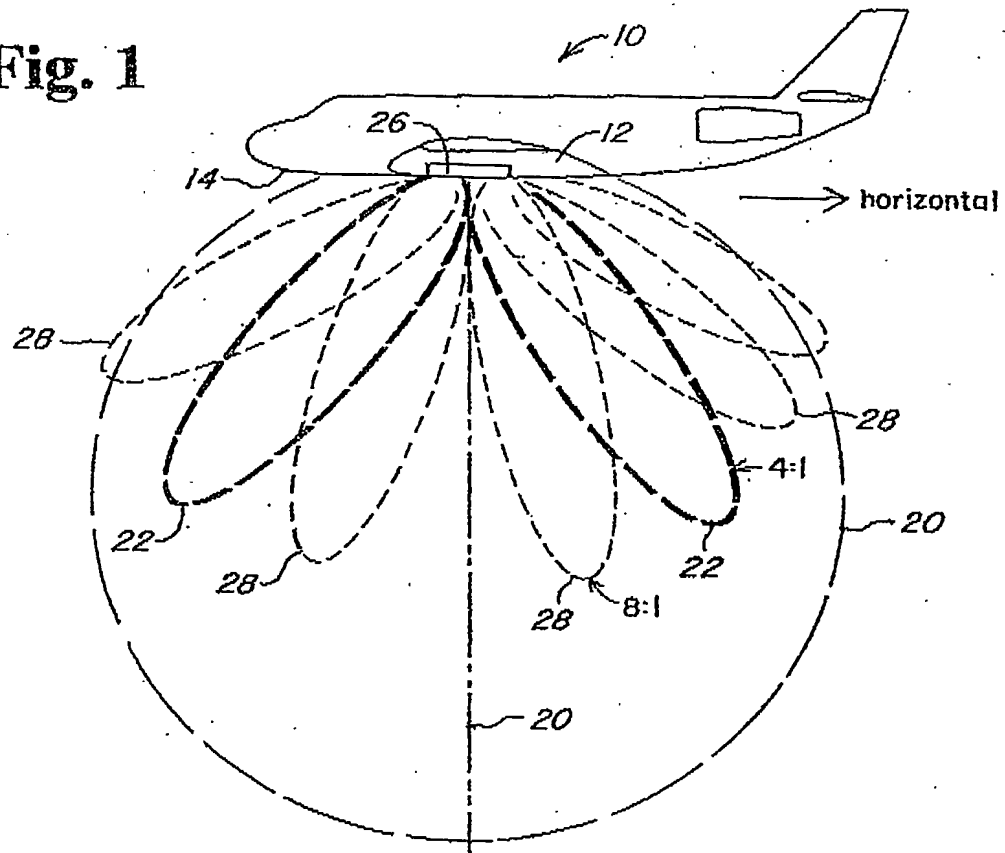
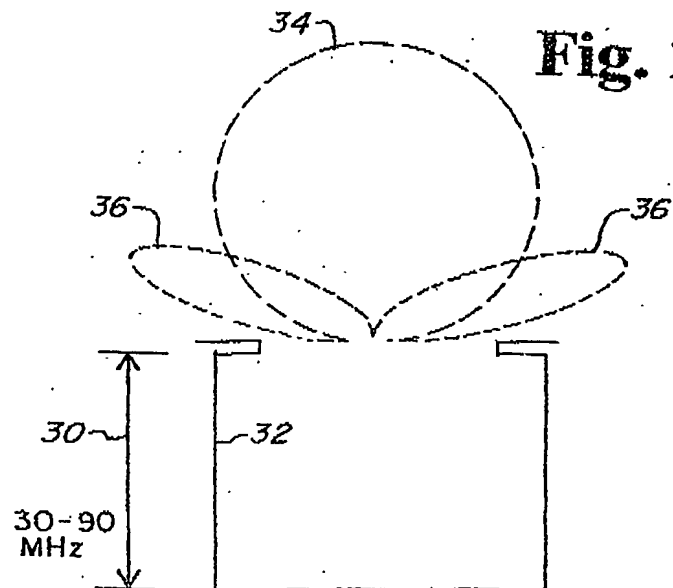


Fig. 2



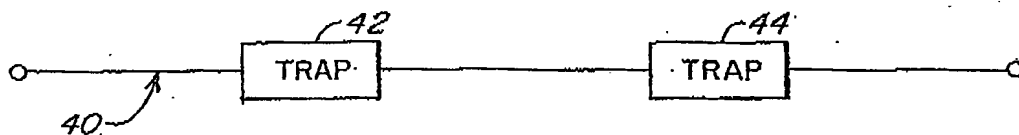


Fig. 3

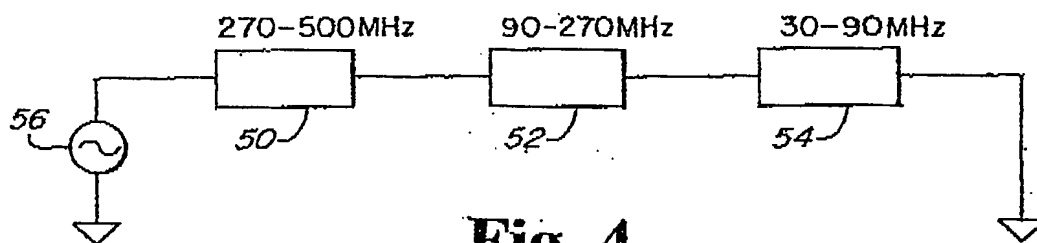


Fig. 4

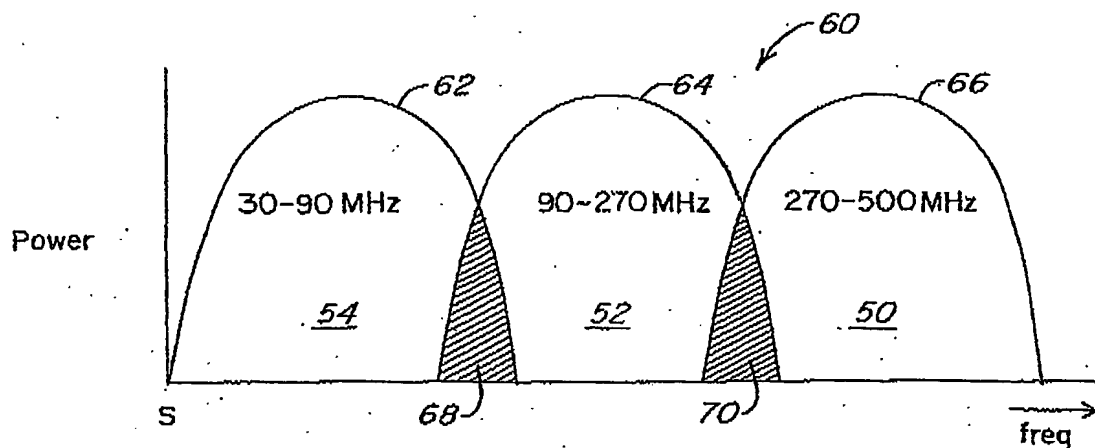


Fig. 5

Fig. 6

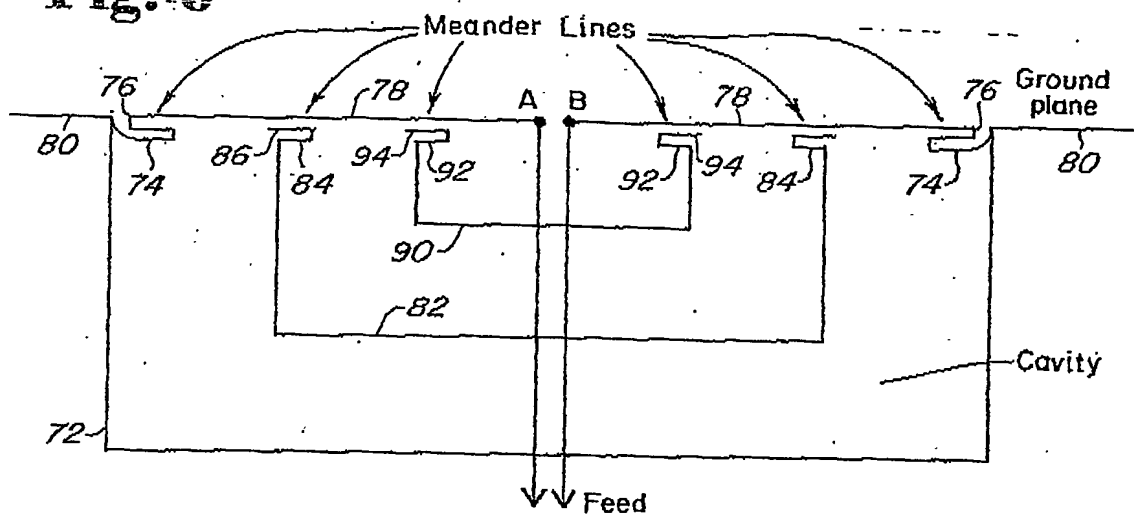
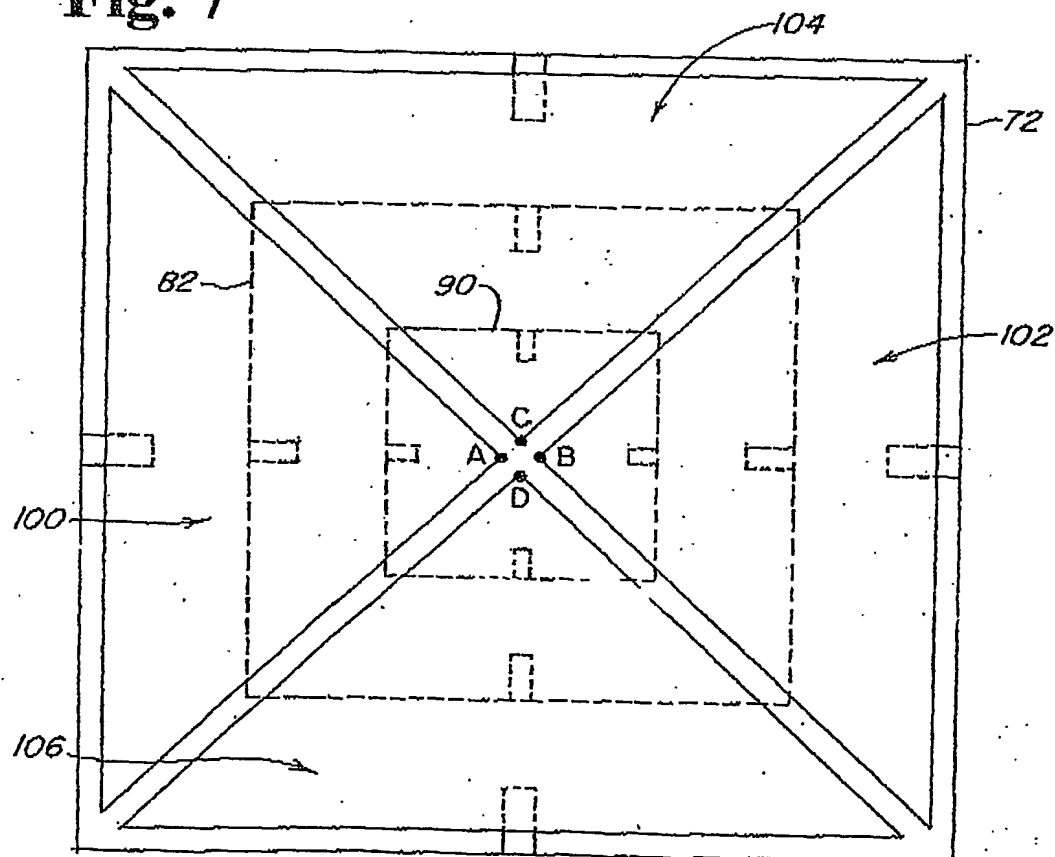


Fig. 7



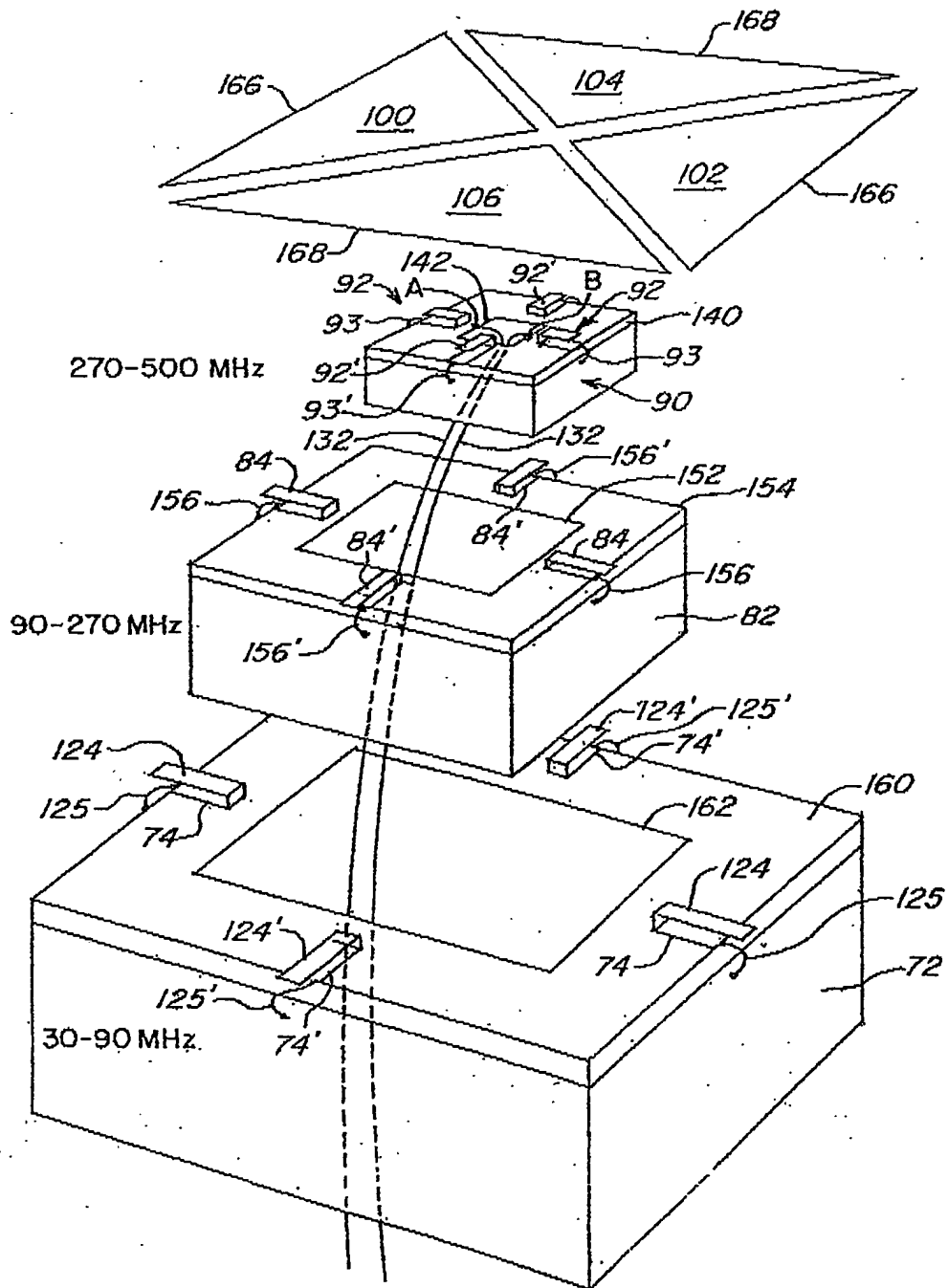
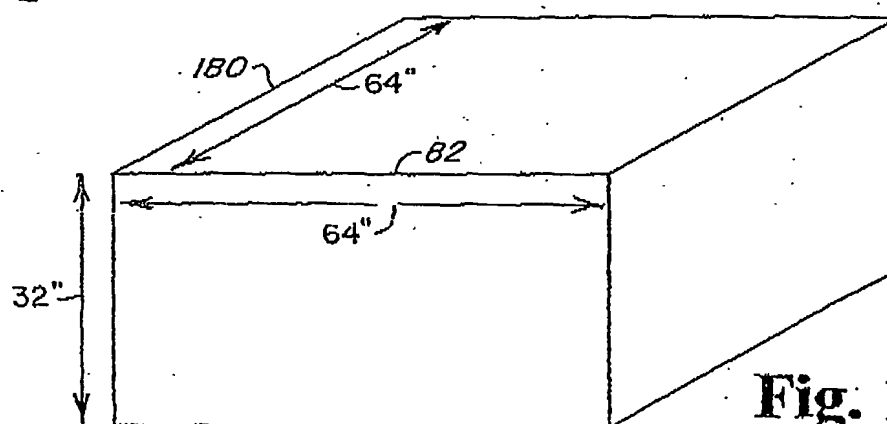
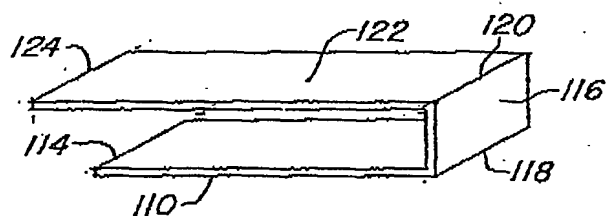
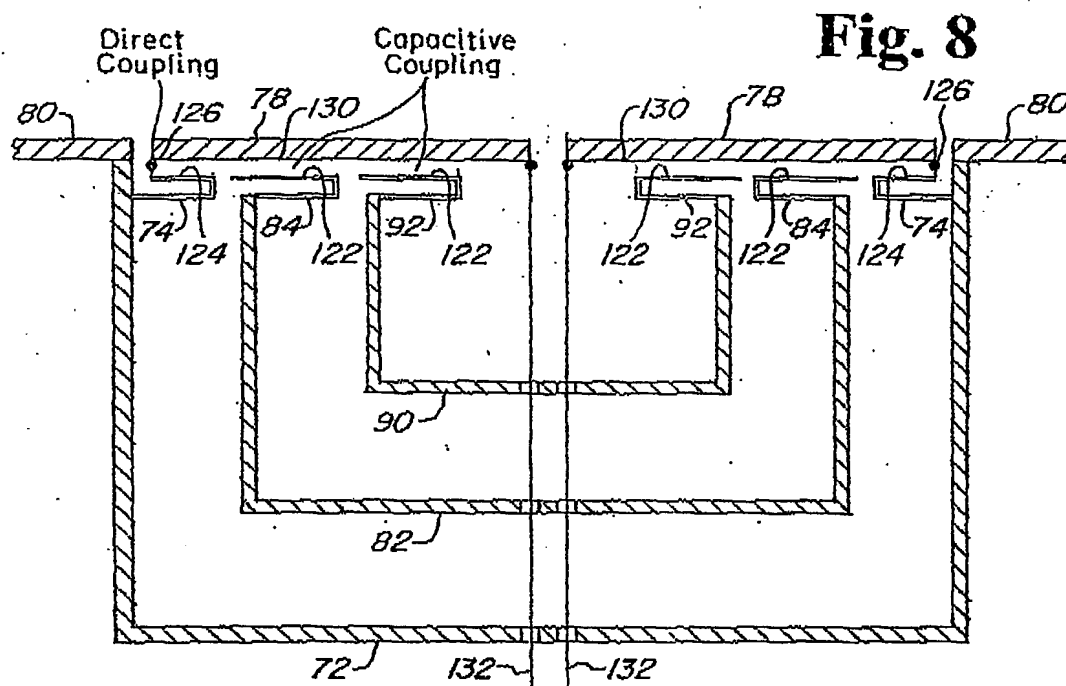
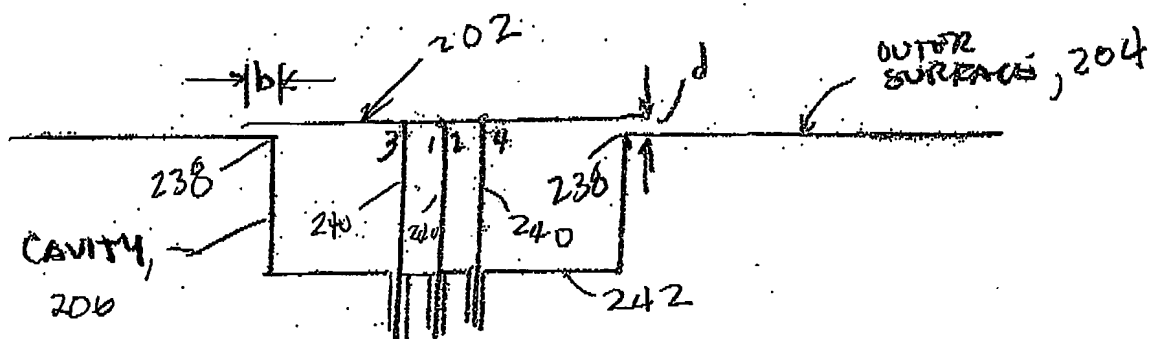
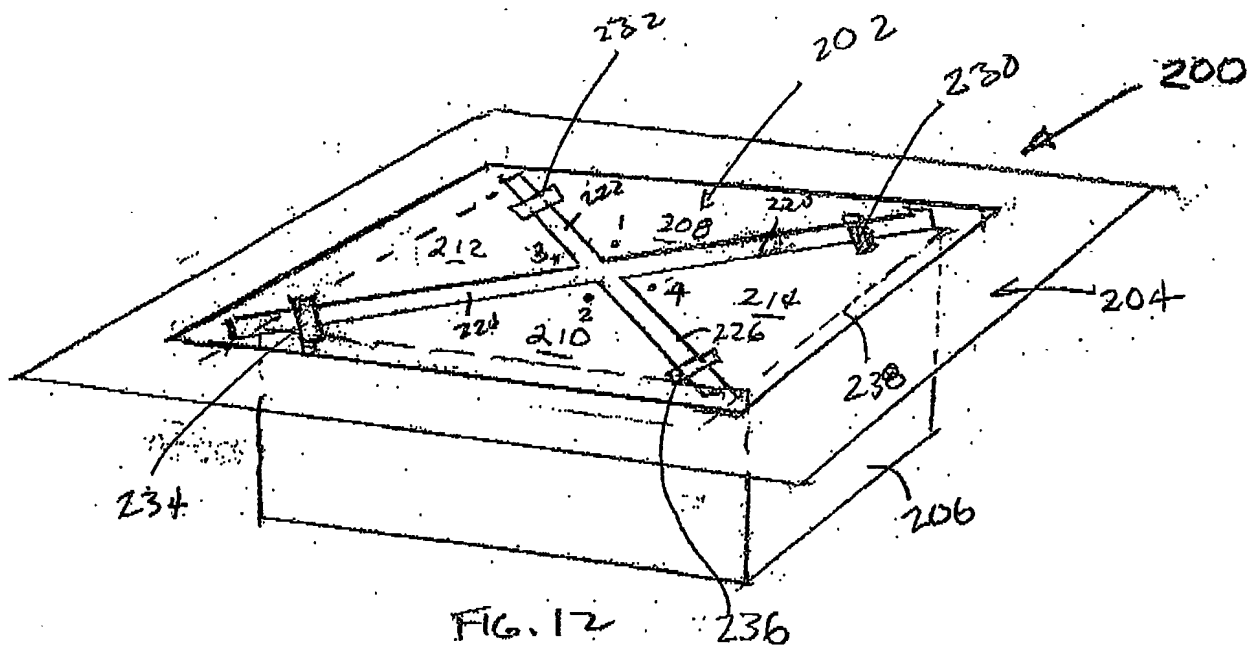


Fig. 9





FEED POINT	1	2	3	4
LOOP 32	+1	-1		
LOOP 34			1	-1
CIRCULAR RIGHT	+1	-1	+j	-j
CIRCULAR LEFT	+1	-1	-j	+j

FIG. 14

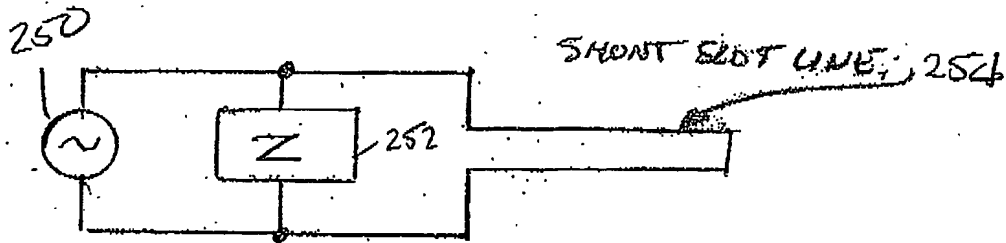


FIG. 15

GAIN AT
ZENITH

FREQ MHz	PRT GAIN
80	-3.1
100	-1.0
120	0.1
140	1.2
180	2.2
250	2.5
300	3.1
350	2.9
400	3.4
450	5.1
500	4.9

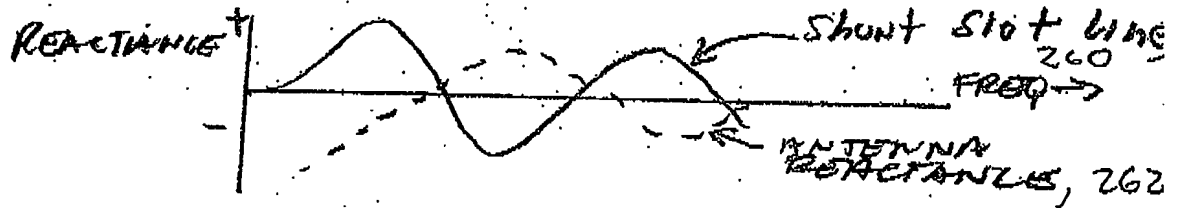


FIG. 16

FIG. 17

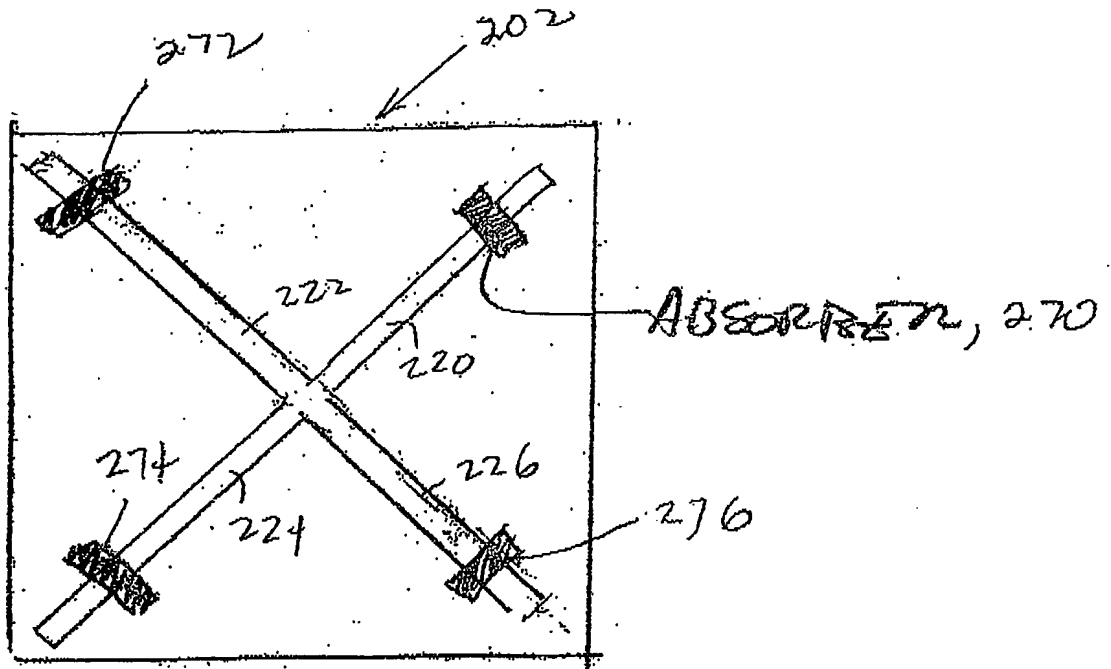


FIG. 18

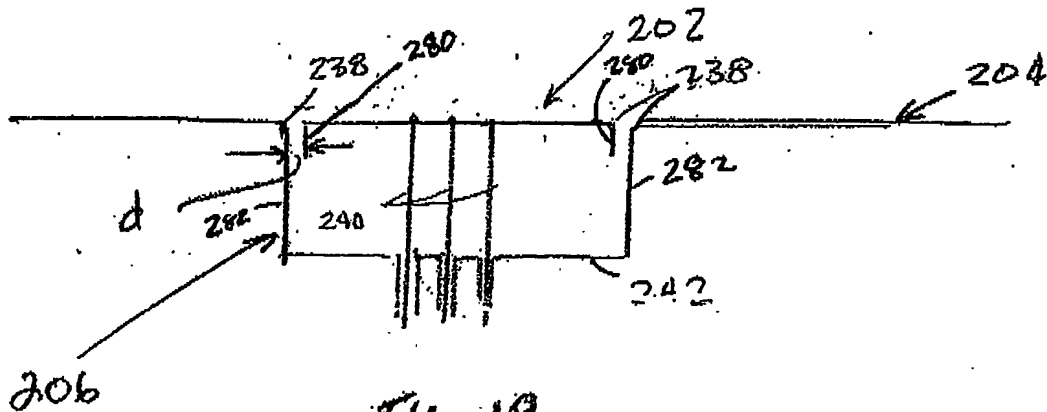


FIG. 19